Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A prosthetic intervertebral disc comprising:

a) a central core material having an upper surface, a lower surface and a sidewall therebetween, and

b) a non-resorbable one piece outer shell having an inner surface surrounding the central core and contacting the upper surface, the lower surface and the sidewall of the core,

wherein the outer shell has an upper wall having an upper surface having a dry coefficient of friction against bone of at least 0.5.

2.(Original) The disc of claim 1 wherein the non-resorbable shell has an outer surface, the outer surface having an i) upper surface adapted to contact a natural upper vertebral endplate and ii) a lower surface adapted to contact a natural lower vertebral endplate.

3. (Original) The disc of claim 2 wherein the upper surface of the shell is convex, and the lower surface of the shell is flat or concave.

4. (Original) The disc of claim 2 wherein the upper and lower surfaces of the shell are convex.

5. (Currently Amended) The disc of claim 1 wherein the outer shell further comprises an upper wall having a ~~lower~~ thickness, and a side wall having a ~~larger~~ thickness, wherein the thickness of the upper wall is lower than the thickness of the side wall.

6. (Currently Amended) The disc of claim 5 wherein the ~~larger~~ thickness of the sidewall approximates a thickness of the annulus fibrosus.

7. (Original) The disc of claim 1 further comprising:

c) an intermediate layer between the central core and the outer shell.

8. (Original) The disc of claim 1 having no intermediate layer between the core and the outer shell.

9. (Original) The disc of claim 1 further comprises:

c) a radio-opaque marker disposed within the outer shell or core.

10. (cancelled)

11. (Original) The disc of claim 1 wherein the outer shell has a high hardness and the core has a lower hardness.

12. (Cancelled)

13. (Currently Amended) The disc of claim 1 ~~12~~ wherein the ~~outer~~ upper surface of the upper wall of the outer shell has a surface roughness R_{max} of no more than 0.15mm.

14. (Currently Amended) The disc of claim 1 ~~12~~ wherein the upper surface of the shell is convex, and the lower surface of the shell is flat or concave.

15. (Currently Amended) The disc of claim 1 ~~12~~ wherein the upper and lower surfaces of the shell are convex.

16. (Currently Amended) The disc of claim 1 ~~12~~ wherein the outer shell comprises silicone.

17. (Currently Amended) The disc of claim 1 ~~12~~ wherein the outer shell further comprises a lower wall having a lower surface, the lower surface having a dry coefficient of friction against bone of at least 0.5.

18. (Currently Amended) The disc of claim 1 ~~12~~ wherein at least one of the upper and lower surfaces of the outer shell comprises a recess for receiving a pin.

19. (Original) The disc of claim 18 wherein the lower surface of the outer shell comprises a recess for receiving a pin.

20. (Original) The disc of claim 12 wherein wherein at least one of the upper and lower surfaces of the shell is flat.

21 . (Canceled)

22. (Currently Amended) The disc of claim 1 ~~21~~ wherein the central core and the outer shell are made of different grades of the same material.

23. (Currently Amended) The disc of claim 22 wherein the same material is ~~silicon~~ silicone.

24. (Currently Amended) The disc of claim 1 ~~21~~ wherein the central core has a lower ~~higher~~ hardness and the sidewall of the outer shell has a higher ~~lower~~ hardness.

25.(cancelled)

26.(cancalled)

27.(cancelled)

28. (Currently Amended) The disc of claim 1 ~~21~~ wherein the outer shell further comprises an upper wall having a lower thickness, and a side wall having a larger thickness.

29. (Currently Amended) The disc of claim 1 ~~21~~ wherein the larger thickness of the sidewall approximates a thickness of the annulus fibrosus.